

**CONDUCTORS CREATED BY METAL DEPOSITION USING A SELECTIVE  
PASSIVATION LAYER AND RELATED METHODS**

**Abstract of the Disclosure**

5           Conductor structures include a substrate, a first conducting layer that is selectively  
passivated from growth of unwanted surface layers by the application of a selective  
passivation layer, and a second conducting layer that is applied onto the selective  
passivation layer. The selective passivation layer prevents the combination of unwanted  
materials with the first conducting layer while allowing the combination of the applied  
10   second conducting layer with the first conducting layer. The selective passivation layer is  
displaced by the second conducting layer and remains as a passivation layer on the  
exposed surface of the second conducting layer being displaced, thereby protecting the  
first and second conducting layers from unwanted materials or unwanted surface layers.  
Methods of fabricating conductor structures are also provided.